

#7/I.D.S.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Attorney Docket No.: ISPH-0628
Inventors: Baker et al.
Serial No.: Not yet assigned
Filing Date: Herewith
Examiner: Not yet assigned
Group Art Unit: Not yet assigned
Title: ANTISENSE MODULATION OF EXPRESSION OF
TUMOR NECROSIS FACTORS RECEPTOR-
ASSOCIATED FACTORS (TRAFs)

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Date of Deposit February 4, 2002

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By Jahe Massey Licata
Typed Name: Jahe Massey Licata, Reg. No. 32,257

Commissioner of Patents & Trademarks
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

() In accordance with §1.97(b), since this Information
Disclosure Statement is being filed either within three

months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

- () In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:

- () Certification in Accordance with §1.97(e) is set forth below; or

- () The fee of \$240.00 as set forth in §1.17(p) is attached.

- () In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I)(1).

- () Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

(XX) In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No.09/167,109, filed October 6, 1998, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

() The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(XX) All listed references are in the English language or a translation into English is provided herewith.

Respectfully submitted,

Jane Massey Licata

Jane Massey Licata
Registration No. 32,257

Date: February 4, 2002

Licata & Tyrrell P.C.
66 E. Main Street
Marlton, New Jersey 08053

856-810-1515

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Sheet 01 of 03

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| Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce | | Docket No. ISPH-0321 | Serial No. 09/167,109 |
| | | Applicant BAKER, ET AL. | |
| | | Filing Date OCTOBER 6, 1998 | Group 1623 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | AA | Cao, et al., "TRAF6 is a signal transducer for interleukin-1" Nature 1996 93:443-446 | |
| | AB | Cheng, et al., "Involvement of CRAF1, a Relative of TRAF, in CD40 Signaling", Science 1995 267, 1494-1498 | |
| | AC | Duckett, C.S. and Thompson, C.B., "CD30-dependent degradation of TRAF2: implications for negative regulation of TRAF signaling and the control of cell survival", Genes & Development 1997, 11, 2810-2821 | |
| | AD | Ishida, et al., "TRAF5, a novel tumor necrosis factor receptor-associated factor family protein, mediates CD40 signaling", Proc. Natl. Acad. Sci. USA 1996 93, 9437-9442 | |
| | AE | Karjewska, et al., "TRAF-4 Expression in Epithelial Progenitor cells Analysis in Normal Adult, Fetal, and Tumor Tissues", Am. J. Of Pathol. 1998 152, 6, 1549-1561 | |
| | AF | Malinin et al., "MAP3K-related kinase involved in NF- κ B induction by TNF, CD95 and IL-1", Nature 1997 385, 540-544 | |
| | AG | Pullen, et al., "CD40-Tumor Necrosis Factor Receptor-Associated Factor (TRAF) Interactions:Regulations of CD40 Signaling through Multiple TRAF Binding Sites and TRAF Hetero-Oligomerization", Biochemistry 1998, 37, 11836-11845 | |
| | AH | Rothe, et al., "TRAF2-Mediated Activation of NF- κ B by TNF Receptor 2 and CD40", Science 1995 269, 1424-1427 | |
| | AI | Rothe, et al., "A Novel Family of Putative Signal Transducers Associated with the Cytoplasmic Domain of the 75 kDA Tumor Necrosis Factor Receptor", Cell 1994 78, 681-692 | |
| EXAMINER | | DATE CONSIDERED | |

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 10/06/95


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| | | Filing Date OCTOBER 6, 1998 | Group 1623 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | AJ | Rothe, G. And Baltimore, D., "TANK, a co-inducer with TRAF2 of TNF-and CD40L-mediated NF-kB activation", Genes Dev. 1996 10, 963-973 | |
| | AK | Sato, et al., "A novel member of the TRAF family of putative signal transducing proteins binds to the cytosolic domain of CD40", FEBS Lett 1995 358, 113-118 | |
| | AL | Speiser, et al., "A Regulatory Role for TRAF1 in Antigen-induced Apoptosis of T Cells", J. Exp. Med 1997 185, 1777-1783 | |
| | AM | Takeuchi, et al., "Anatomy of TRAF2", J. Biol. Chem 1996 27, 19935-19942 | |
| | AN | Xu, et al., "A Role for TRAF2 and TRAF6 in Cytokine-Mediated Induction of E-selectin", Immunity 1996, 5, 407-415 | |
| | AO | Yeh, et al., "Early Lethality, Functional NF-kB Activation, and Increased Sensitivity to TNF-Induced Cell Death in TRAF2-Deficient Mice", Immunity 1997, 7, 715-725 | |
| | AP | Yuan, J., "Transducing signals of life and death", Curr. Opin. Cell Biol. 1997 9, 247-251 | |
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| EXAMINER | | DATE CONSIDERED | |

